

OIPE

RAW SEQUENCE LISTING DATE: 12/26/2001
 PATENT APPLICATION: US/09/879,312 TIME: 15:55:27

Input Set : N:\CrF3\RULE60\09879312.txt
 Output Set: N:\CRF3\12262001\I879312.raw

SEQUENCE LISTING

1 (1) GENERAL INFORMATION:

2 (i) APPLICANT: Glimcher, Laurie H. et al.
 3 (ii) TITLE OF INVENTION: Human c-Mat Compositions and
 4 Methods of Use Thereof

5 (iii) NUMBER OF SEQUENCES: 2

6 (iv) CORRESPONDENCE ADDRESS:

7 (A) ADDRESSEE: LAHIVE & COCKFIELD, LLP
 8 (B) STREET: 28 State Street
 9 (C) CITY: Boston
 10 (D) STATE: Massachusetts
 11 (E) COUNTRY: USA
 12 (F) ZIP: 02109

13 (v) COMPUTER READABLE FORM:

14 (A) MEDIUM TYPE: Floppy disk
 15 (B) COMPUTER: IBM PC compatible
 16 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 17 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

18 (vi) CURRENT APPLICATION DATA:

C--> 19 (A) APPLICATION NUMBER: US/09/879,312
 C--> 20 (B) FILING DATE: 12-Jun-2001
 21 (C) CLASSIFICATION:

22 (vii) PRIOR APPLICATION DATA:

23 (A) APPLICATION NUMBER: 09/086,010
 24 (B) FILING DATE:

25 (viii) ATTORNEY/AGENT INFORMATION:

26 (A) NAME: Kara, Catherine J.
 27 (B) REGISTRATION NUMBER: 41,106
 28 (C) REFERENCE/DOCKET NUMBER: HUI-027CP

29 (ix) TELECOMMUNICATION INFORMATION:

30 (A) TELEPHONE: (617)227-7400
 31 (B) TELEFAX: (617)742-4214

32 (2) INFORMATION FOR SEQ ID NO: 1:

33 (i) SEQUENCE CHARACTERISTICS:

34 (A) LENGTH: 1203 base pairs
 35 (B) TYPE: nucleic acid
 36 (C) STRANDEDNESS: single
 37 (D) TOPOLOGY: linear

38 (ii) MOLECULE TYPE: cDNA

39 (ix) FEATURE:

40 (A) NAME/KEY: CDS
 41 (B) LOCATION: 1..1203

42 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

43	ATG	GCA	ICA	GAA	CTG	GCA	ATG	AGC	AAC	TCC	GAC	CTG	CCC	ACC	AGT	CCC	48	
44	Met	Ala	Ser	Glu	Leu	Ala	Met	Ser	Asn	Ser	Asp	Leu	Pro	Thr	Ser	Pro		
45	65	1			5				10					15				
46	67	CTG	GCC	ATG	GAA	TAT	GTT	AAT	GAC	TTC	GAT	CTG	ATG	AAG	TTT	GAA	GTG	96

RAW SEQUENCE LISTING

PATENT APPLICATION NO: US/09/879,312

DATE: 12/16/2001

TIME: 10:55:17

Input File: N:\Crif3\RULE60\09879312.txt

Output File: N:\CRF3\12262001\I879312.raw

```

68 Leu Ala Met Glu Tyr Val Asn Asp Phe Asp Leu Met Lys Phe Glu Val
69          20          25          30
71 AAA AAG GAA CCG GIG GAG ACC GAC CAG ATC ATC AGC CAG TGC AGC CGT      144
72 Lys Lys Glu Pro Val Glu Thr Asp Arg Ile Ile Ser Gln Cys Gly Arg
73          35          40          45
75 CTC ATC GCC GGC GGC TCG CTG TCC TCC ACC CCC ATG AGC AGC CCC TGC      192
76 Leu Ile Ala Gly Gly Ser Leu Ser Ser Thr Pro Met Ser Thr Pro Cys
77          50          55          60
79 AGC TCG GIG CCC CCG TCC CCC AGC TTC TCG GCG CCC AGC CCG GGC TCG      240
80 Ser Ser Val Pro Pro Ser Pro Ser Phe Ser Ala Pro Ser Pro Gly Ser
81          65          70          75          80
83 CGA GGC GAA CAG AAG GCG CAC CTG GAA GAC TAC TAC TGG ATG ACC GGC      288
84 Arg Gly Glu Gln Lys Ala His Leu Glu Asp Tyr Tyr Trp Met Thr Gly
85          85          90          95
87 TAC CCG CAG CAG CTG AAC CCC GAG GCG CTG GGC TTC AGC CCC GAG GAC      336
88 Tyr Pro Gln Gln Leu Asn Pro Glu Ala Leu Gly Phe Ser Pro Gln Asp
89          100          105          110
91 GCG GTC GAG GCG CTC ATC AGC AAC AGC CAC CAG CTC CGG GGC GGC TTC      384
92 Ala Val Glu Ala Leu Ile Ser Asn Ser His Gln Leu Arg Gly Gly Phe
93          115          120          125
95 GAT GGC TAT GCG CGC GGC GCG CAG CAG CTA GCC GCG GCG GCC GGC GCA      432
96 Asp Gly Tyr Ala Arg Gly Ala Gln Gln Leu Ala Ala Ala Gly Ala
97          130          135          140
99 GGT GCC GGC GCC TCC TTG GGC GGC AGC GGC GAG GAG ATG GGC CCC GCC      480
100 Gly Ala Gly Ala Ser Leu Gly Gly Ser Gly Glu Glu Met Gly Pro Ala
101 145          150          155          160
103 GCC GCC GTG GTG TCC GCC GTG ATC GCC GCG GCC GCC GCG CAG AGC GCC      528
104 Ala Ala Val Val Ser Ala Val Ile Ala Ala Ala Ala Ala Gln Ser Gly
105          165          170          175
107 GCG GGC CCG CAC TAC CAC CAC CAC CAC CAC CAC GCC GCC GGC CAC CAC      576
108 Ala Gly Pro His Tyr His His His His His Ala Ala Gly His His
109          180          185          190
111 CAC CAC CCG ACG GCC GGC GCG CCC GGC GCC GCG GGC AGC GCG GCC GCT      624
112 His His Pro Thr Ala Gly Ala Pro Gly Ala Ala Gly Ser Ala Ala Ala
113          195          200          205
115 TCG GCC GGT GGC GCT GGC GGC GCG GGC GGC GGT GGC CCG GCC AGC GTT      672
116 Ser Ala Gly Gly Ala Gly Gly Ala Gly Gly Gly Gly Gly Pro Ala Ser Val
117          210          215          220
119 GGG GGC GGC GGC GGC GGC GGC GGC GGC GGA GGC GGC GGC GCG GCG      720
120 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Ala Ala
121 225          230          235          240
123 GGC GCC CTG CAC CCG CAC CAC GCC GCC GGC GGC CTG CAC TTC GAC GAC      768
124 Gly Ala Leu His Pro His His Ala Ala Gly Gly Leu His Phe Asp Asp
125          245          250          255
127 CGC TTC TCC GAC GAG CAG CTG GTG ACC ATG TCT GTG CGC GAC TGG AAC      816
128 Arg Phe Ser Asp Glu Gln Leu Val Thr Met Ser Val Arg Asp Trp Asn
129          260          265          270
131 CGG CAG CTG CGC GGC GTC AGC AAG GAG GAG GTG ATC CGG CTG AAG CAG      864
132 Arg Gln Leu Arg Gly Val Ser Lys Glu Glu Val Ile Arg Leu Lys Gln

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/879,312

DATE: 12/26/2001

TIME: 10:33:17

Input Seq: N:\CrF3\RUHE60\09879312.txt

Output Seq: N:\CRF3\12262001\1879312.raw

```

133          275          360          400
135 AAG AGG CCG ACC CIG AAA AAC CGC GGC TAT GAT AAG TCC TGC CAG TTC          912
136 Lys Arg Arg Thr Leu Lys Asn Arg Gly Tyr Ala Lys Ser Cys Arg Phe
137          290          375          400
139 AAG AGG GIG CAG CAG AGA CAC GIC CIG CAG TCG GAG AAG AAC CAG CIG          960
140 Lys Arg Val Gln Gln Arg His Val Leu Gln Ser Gln Lys Asn Gln Leu
141 305          310          315          320
143 CIG CAG CAA GIC GAC CAC CIG AAC CAG GAG AIC TCC AGG CIG GIG CAG          1008
144 Leu Gln Gln Val Asn His Leu Lys Gln Gln Ile Ser Arg Leu Val Arg
145          325          330          335
147 GAG AGG GAC GCG TAC AAG GAG AAA TAC GAG AAG TIG GIG AGC AGC GGC          1056
148 Glu Arg Asp Ala Tyr Lys Glu Lys Tyr Glu Lys Leu Val Ser Ser Gly
149          340          345          350
151 TTC CGA GAA AAC GGC TCG AGC AGC GAC AAC CCG TCC TCC CCC GAG TTT          1104
152 Phe Arg Glu Asn Gly Ser Ser Ser Asp Asn Pro Ser Ser Pro Glu Phe
153          355          360          365
155 TTC ATA ACT GAG CCC ACT CGC AAG TIG GAG CCA TCA GTG GGA TAC GCC          1152
156 Phe Ile Thr Glu Pro Thr Arg Lys Leu Glu Pro Ser Val Gly Tyr Ala
157          370          375          380
159 ACA TTT TGG AAG CCC CAG CAT CGT GAT CTT ACC AGT GTG TTC ACA AAA          1200
160 Thr Phe Trp Lys Pro Gln His Arg Val Leu Thr Ser Val Phe Thr Lys
161 385          390          395          400
163 TGA          1203
168 (2) INFORMATION FOR SEQ ID NO: 2:
170 (i) SEQUENCE CHARACTERISTICS:
171 (A) LENGTH: 400 amino acids
172 (B) TYPE: amino acid
173 (D) TOPOLOGY: linear
175 (ii) MOLECULE TYPE: protein
177 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
179 Met Ala Ser Glu Leu Ala Met Ser Asn Ser Asp Leu Pro Thr Ser Pro
180 1 5 10 15
182 Leu Ala Met Glu Tyr Val Asn Asp Phe Asp Leu Met Lys Phe Glu Val
183 20 25 30
185 Lys Lys Glu Pro Val Glu Thr Asp Arg Ile Ile Ser Gln Cys Gly Arg
186 35 40 45
188 Leu Ile Ala Gly Gly Ser Leu Ser Ser Thr Pro Met Ser Thr Pro Cys
189 50 55 60
191 Ser Ser Val Pro Pro Ser Pro Ser Phe Ser Ala Pro Ser Pro Gly Ser
192 65 70 75 80
194 Arg Gly Glu Gln Lys Ala His Leu Glu Asp Tyr Tyr Trp Met Thr Gly
195 85 90 95
197 Tyr Pro Gln Gln Leu Asn Pro Glu Ala Leu Gly Phe Ser Pro Glu Asp
198 100 105 110
200 Ala Val Glu Ala Leu Ile Ser Asn Ser His Gln Leu Arg Gly Gly Phe
201 115 120 125
203 Asp Gly Tyr Ala Arg Gly Ala Gln Gln Leu Ala Ala Ala Ala Gly Ala
204 130 135 140
206 Gly Ala Gly Ala Ser Leu Gly Gly Ser Gly Glu Glu Met Gly Pro Ala

```

RAW SEQUENCE LISTING

PATENT APPLICATION NO: US/09/879,312

DATE: 12/26/2001

TIME: 15:35:27

Seq. ID: N:\Crif3\RUIF60\09879312.txt

Output File: N:\CRF3\12262001\I879312.raw

```

200 115          155          195          16
209 Ala Ala Val Val Ser Ala Val Ile Ala Ala Ala Ala Ala Gln Ser Gly
210          165          170          175
212 Ala Gly Pro His Tyr His His His His His His Ala Ala Gly His His
213          180          185          190
215 His His Pro Thr Ala Gly Ala Pro Gly Ala Ala Gly Ser Ala Ala Ala
216          195          200          205
218 Ser Ala Gly Gly Ala Gly Gly Ala Gly Gly Gly Gly Gly Pro Ala Ser Val
219          210          215          220
221 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Ala Ala
222 225          230          235          240
224 Gly Ala Leu His Pro His His Ala Ala Gly Gly Leu His Phe Asp Asp
225          245          250          255
227 Arg Phe Ser Asp Glu Gln Leu Val Thr Met Ser Val Arg Asp Trp Asn
228          260          265          270
230 Arg Gln Leu Arg Gly Val Ser Lys Glu Glu Val Ile Arg Leu Lys Gln
231          275          280          285
233 Lys Arg Arg Thr Leu Lys Asn Arg Gly Tyr Ala Lys Ser Cys Arg Phe
234          290          295          300
236 Lys Arg Val Gln Gln Arg His Val Leu Glu Ser Glu Lys Asn Gln Leu
237 305          310          315          320
239 Leu Gln Gln Val Asp His Leu Lys Gln Glu Ile Ser Arg Leu Val Arg
240          325          330          335
242 Glu Arg Asp Ala Tyr Lys Glu Lys Tyr Glu Lys Leu Val Ser Ser Gly
243          340          345          350
245 Phe Arg Glu Asn Gly Ser Ser Ser Asp Asn Pro Ser Ser Pro Glu Phe
246          355          360          365
248 Phe Ile Thr Glu Pro Thr Arg Lys Leu Glu Pro Ser Val Gly Tyr Ala
249          370          375          380
251 Thr Phe Trp Lys Pro Gln His Arg Val Leu Thr Ser Val Phe Thr Lys
252 385          390          395          400

```

VERIFICATION SUMMARY

FILING APPLICATION: US/09/879,312

DATE: 12/26/2001

TIME: 10:50:18

Input File: N:\CrF3\RULE60\09879312.txt

Input File: N:\CRF3\12262001\I879312.raw

1127 Message 7: Keyword misspelled or invalid format: [(A) APPLICATION NUMBER]

1128 Message 7: Keyword misspelled or invalid format: [(B) FILING DATE]